

WHAT IS CLAIMED IS

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5.3 A1 >  
1. A facsimile apparatus, provided with boxes  
each corresponding to an F-code which is received  
through a facsimile transmission procedure, executing a  
center-machine application using the corresponding box  
10 based on sub-address information when receiving image  
information, said apparatus comprising:

an F-code input requesting portion which  
requests a user to input an F-code when the user  
operates said apparatus for performing transmission; and

15 a control portion which searches for the box  
for which an F-code is registered, the value of which F-  
code agrees with the value of the F-code input by the  
user, and, only when finding said box, agrees to accept  
the transmission operation performed by the user, and  
20 registers, in document managing information for managing  
a transmission job relating to the transmission  
operation, identification information for said box as  
authentication information.

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2. A facsimile apparatus, provided with boxes  
each corresponding to an F-code which is received  
through a facsimile transmission procedure, executing a  
center-machine application using the corresponding box  
5 based on sub-address information when receiving image  
information, said apparatus comprising:

an F-code input requesting portion which  
requests a user to input an F-code when the user  
operates said apparatus for producing a polling  
10 document; and

a control portion which searches for the box  
for which an F-code is registered, the value of which F-  
code agrees with the value of the F-code input by the  
user, and, only when finding said box, agrees to accept  
15 the polling document producing operation performed by  
the user, and registers, in document managing  
information for managing a job relating to the polling  
document producing operation, identification information  
for said box as authentication information.

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3. A facsimile apparatus, provided with boxes  
25 each corresponding to an F-code which is received

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through a facsimile transmission procedure, executing a center-machine application using the corresponding box based on sub-address information when receiving image information, said apparatus comprising:

5           an F-code input requesting portion which requests a user to input an F-code either when the user operates said apparatus for performing transmission or when the user operates said apparatus for producing a polling document;

10           a control portion which searches for the box for which an F-code is registered, the value of which F-code agrees with the value of the F-code input by the user, and, only when finding said box, either agrees to accept the transmission operation performed by the user,  
15           and registers, in document managing information for managing a transmission job relating to the transmission operation, identification information for said box as authentication information, or agrees to accept the polling document producing operation performed by the  
20           user, and registers, in document managing information for managing a job relating to the polling document producing operation, identification information for said box as authentication information.

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4. The facsimile apparatus as claimed in claim 1, further comprising a transmission control portion which, when image information is transmitted, reads the F-code registered for the box corresponding to the authentication information registered in the document managing information, and inserts information indicating said F-code in at least any one page of the image information.

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5. The facsimile apparatus as claimed in claim 2, further comprising a transmission control portion which, when a call is coming and polling reception is requested by the call originating terminal, reads the F-code registered for the box corresponding to the authentication information registered in the document managing information corresponding to the specified document to be transmitted, and inserts information indicating said F-code in at least any one page of the image information to be transmitted.

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6. The facsimile apparatus as claimed in claim 3, further comprising a transmission control portion which, when image information is transmitted, reads the F-code registered for the box corresponding to the authentication information registered in the document managing information, and inserts information indicating said F-code in at least any one page of the image information, but, when a call is coming and polling reception is requested by the call originating terminal, reads the F-code registered for the box corresponding to the authentication information registered in the document managing information corresponding to the specified document to be transmitted, and inserts information indicating said F-code in at least any one page of the image information to be transmitted.

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7. The facsimile apparatus as claimed in claim 1, further comprising a transmission control portion which, when image information is transmitted, reads the box name registered for the box corresponding to the authentication information registered in the

document managing information, and inserts information indicating said box name in at least any one page of the image information.

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8. The facsimile apparatus as claimed in claim 2, further comprising a transmission control portion which, when a call is coming and polling reception is requested by the call originating terminal, reads the box name registered for the box corresponding to the authentication information registered in the document managing information corresponding to the specified document to be transmitted, and inserts information indicating said box name in at least any one page of the image information to be transmitted.

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9. The facsimile apparatus as claimed in claim 3, further comprising a transmission control portion which, when image information is transmitted, reads the box name registered for the box corresponding

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to the authentication information registered in the document managing information, and inserts information indicating said box name in at least any one page of the image information, but, when a call is coming and  
5 polling reception is requested by the call originating terminal, reads the box name registered for the box corresponding to the authentication information registered in the document managing information corresponding to the specified document to be  
10 transmitted, and inserts information indicating said box name in at least any one page of the image information to be transmitted.

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10. The facsimile apparatus as claimed in claim 1, wherein a box type is registered for each box, and, said control portion, when searching for the box  
20 for which the same value as that of the input F-code is registered, treats only the boxes of a previously specified box type as targets of the search.

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11. The facsimile apparatus as claimed in claim 2, wherein a box type is registered for each box, and, said control portion, when searching for the box for which the same value as that of the input F-code is registered, treats only the boxes of a previously specified box type as targets of the search.

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12. The facsimile apparatus as claimed in claim 3, wherein a box type is registered for each box, and, said control portion, when searching for the box for which the same value as that of the input F-code is registered, treats only the boxes of a previously specified box type as targets of the search.

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13. The facsimile apparatus as claimed in claim 10, wherein the registered box types includes a confidential type and said previously specified box type is the confidential type.

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14. The facsimile apparatus as claimed in claim 11, wherein the registered box types includes a confidential type and said previously specified box type is the confidential type.

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15. The facsimile apparatus as claimed in claim 12, wherein the registered box types includes a confidential type and said previously specified box type is the confidential type.

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16. The facsimile apparatus as claimed in claim 1, wherein a password for authentication is registered for each box, and, said control portion, when searching for the box for which the same value as that of the input F-code is registered, treats only the boxes for which an effective password is registered or respective effective passwords are registered as targets of the search.

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claim 16, wherein said control portion, when finding  
said box, performs authentication operation using the  
password registered for said box, and, only when the  
authentication operation succeeds, agrees to accept the  
5 operation performed by the user.

10 20. The facsimile apparatus as claimed in  
claim 17, wherein said control portion, when finding  
said box, performs authentication operation using the  
password registered for said box, and, only when the  
authentication operation succeeds, agrees to accept the  
15 operation performed by the user.

20 21. The facsimile apparatus as claimed in  
claim 18, wherein said control portion, when finding  
said box, performs authentication operation using the  
password registered for said box, and, only when the  
authentication operation succeeds, agrees to accept the  
25 operation performed by the user.

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22. The facsimile apparatus as claimed in claim 10, wherein authentication use allowance/rejection information is registered for each box, and, said control portion, when authentication use rejection is registered for the box found through the search, causes the search to fail.

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23. The facsimile apparatus as claimed in claim 11, wherein authentication use allowance/rejection information is registered for each box, and, said control portion, when authentication use rejection is registered for the box found through the search, causes the search to fail.

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24. The facsimile apparatus as claimed in claim 12, wherein authentication use allowance/rejection information is registered for each box, and, said control portion, when authentication use rejection is registered for the box found through the search, causes

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the search to fail.

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25. The facsimile apparatus as claimed in claim 22, wherein the registered box types includes a confidential type and said previously specified box type is the confidential type.

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26. The facsimile apparatus as claimed in claim 23, wherein the registered box types includes a confidential type and said previously specified box type is the confidential type.

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27. The facsimile apparatus as claimed in claim 24, wherein the registered box types includes a confidential type and said previously specified box type is the confidential type.

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33. The facsimile apparatus as claimed in  
25 claim 3, wherein display of the F-code for the user to

confirm the F-code input by the user is a concealment form display such that only the number of digits of the input F-code is recognized.

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34. A method of controlling a facsimile apparatus, provided with boxes each corresponding to an F-code which is received through a facsimile transmission procedure, executing a center-machine application using the corresponding box based on sub-address information when receiving image information, said method comprising the steps of:
- 15 a) requesting a user to input an F-code when the user operates said apparatus for performing transmission; and
  - b) searching for the box for which an F-code is registered, the value of which F-code agrees with the value of the F-code input by the user, and, only when finding said box, agreeing to accept the transmission operation performed by the user, and registering, in document managing information for managing a transmission job relating to the transmission operation,
  - 20 identification information for said box as
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authentication information.

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35. A method of controlling a facsimile apparatus, provided with boxes each corresponding to an F-code which is received through a facsimile transmission procedure, executing a center-machine application using the corresponding box based on sub-  
10 address information when receiving image information, said method comprising the steps of:

a) requesting a user to input an F-code when the user operates said apparatus for producing a polling  
15 document; and

b) searching for the box for which an F-code is registered, the value of which F-code agrees with the value of the F-code input by the user, and, only when finding said box, agreeing to accept the polling  
20 document producing operation performed by the user, and registering, in document managing information for managing a job relating to the polling document producing operation, identification information for said box as authentication information.

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36. A method of controlling facsimile apparatus, provided with boxes each corresponding to an F-code which is received through a facsimile transmission procedure, executing a center-machine application using the corresponding box based on sub-address information when receiving image information, said method comprising the steps of:

- a) requesting a user to input an F-code either when the user operates said apparatus for performing transmission or when the user operates said apparatus for producing a polling document; and
- b) searching for the box for which an F-code is registered, the value of which F-code agrees with the value of the F-code input by the user, and, only when finding said box, either agreeing to accept the transmission operation performed by the user, and registering, in document managing information for managing a transmission job relating to the transmission operation, identification information for said box as authentication information, or agreeing to accept the polling document producing operation performed by the user, and registering, in document managing information for managing a job relating to the polling document producing operation, identification information for said box as authentication information.

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37. The method as claimed in claim 34,  
further comprising the step of, when image information  
is transmitted, reading the F-code registered for the  
box corresponding to the authentication information  
5 registered in the document managing information, and  
inserting information indicating said F-code in at least  
any one page of the image information.

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38. The method as claimed in claim 35,  
further comprising the step of, when a call is coming  
and polling reception is requested by the call  
15 originating terminal, reading the F-code registered for  
the box corresponding to the authentication information  
registered in the document managing information  
corresponding to the specified document to be  
transmitted, and inserting information indicating said  
20 F-code in at least any one page of the image information  
to be transmitted.

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39. The method as claimed in claim 36,  
further comprising the step of, when image information  
is transmitted, reading the F-code registered for the  
box corresponding to the authentication information  
5 registered in the document managing information, and  
inserting information indicating said F-code in at least  
any one page of the image information, but, when a call  
is coming and polling reception is requested by the call  
originating terminal, reading the F-code registered for  
10 the box corresponding to the authentication information  
registered in the document managing information  
corresponding to the specified document to be  
transmitted, and inserting information indicating said  
F-code in at least any one page of the image information  
15 to be transmitted.

20 40. The method as claimed in claim 34,  
further comprising the step of, when image information  
is transmitted, reading the box name registered for the  
box corresponding to the authentication information  
registered in the document managing information, and  
25 inserting information indicating said box name in at

least any one page of the image information.

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41. The method as claimed in claim 35,  
further comprising the step of, when a call is coming  
and polling reception is requested by the call  
originating terminal, reading the box name registered  
10 for the box corresponding to the authentication  
information registered in the document managing  
information corresponding to the specified document to  
be transmitted, and inserting information indicating  
said box name in at least any one page of the image  
15 information to be transmitted.

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42. The method as claimed in claim 36,  
further comprising the step of, when image information  
is transmitted, reading the box name registered for the  
box corresponding to the authentication information  
registered in the document managing information, and  
25 inserts information indicating said box name in at least

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any one page of the image information, but, when a call is coming and polling reception is requested by the call originating terminal, reading the box name registered for the box corresponding to the authentication information registered in the document managing information corresponding to the specified document to be transmitted, and inserting information indicating said box name in at least any one page of the image information to be transmitted.

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43. A facsimile apparatus having a plurality of confidential boxes, each confidential box characterized by a different F-code and different identification information, the apparatus comprising:

an input part that requests a prospective user to input an F-code when the prospective user seeks to use the apparatus to transmit confidential information; and a control part that

searches among the plurality of confidential boxes for a confidential box whose characteristic F-code matches the F-code input by the prospective user and, if a confidential box characterized by

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the matching F-code is found,

enables the prospective user to transmit the confidential information only if the prospective user is authenticated by means of the characteristic identification information of the confidential box characterized by the matching F-code.

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44. A facsimile apparatus having a plurality of confidential boxes, each box characterized by a different F-code and different identification information, the apparatus comprising:

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an input part that requests a prospective user to input an F-code when the prospective user seeks to use the apparatus to produce a polling document; and

a control part that

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searches among the plurality of confidential boxes for a confidential box whose characteristic F-code matches the F-code input by the prospective user and, if a confidential box characterized by the matching F-code is found,

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enables the prospective user to produce the

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polling document only if the prospective user is authenticated by means of the characteristic identification information of the confidential box characterized by the matching F-code.

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45. A facsimile apparatus having a plurality of confidential boxes, each box characterized by a different F-code and different identification information, the apparatus comprising:

an input part that requests a prospective user to input an F-code when the prospective user seeks to use the apparatus either to transmit confidential information or to produce a polling document; and

a control part that

searches among the plurality of confidential boxes for a confidential box whose characteristic F-code matches the F-code input by the prospective user and, if a confidential box characterized by the matching F-code is found,

enables the prospective user either to transmit the confidential information or to produce the polling document only if the prospective user

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is authenticated by means of the characteristic identification information of the confidential box characterized by the matching F-code.

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46. The facsimile apparatus as claimed in Claim 43, further comprising a transmission part that  
10 inserts the matching F-code into the confidential information when the confidential information is transmitted.

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47. The facsimile apparatus as claimed in Claim 44, further comprising a transmission part that  
inserts the matching F-code into the polling document  
20 when the polling document is produced.

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48. The facsimile apparatus as claimed in

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Claim 45, further comprising a transmission part that inserts the matching F-code into the confidential information when the confidential information is transmitted or inserts the matching F-code into the polling document when the polling document is produced.

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10                   49. A method of controlling a facsimile apparatus having a plurality of confidential boxes, each box characterized by a different F-code and different identification information, the method comprising the steps of:

15                   requesting a prospective user to input an F-code when the prospective user seeks to use the apparatus to transmit confidential information;

                  searching among the plurality of confidential boxes for a confidential box whose characteristic F-code matches the F-code input by the prospective user; and,

20                   if a confidential box characterized by the matching F-code is found,

                  enabling the prospective user to transmit the confidential information only if the prospective user is

25                   authenticated by means of the characteristic

identification information of the confidential box characterized by the matching F-code.

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50. A method of controlling a facsimile apparatus having a plurality of confidential boxes, each confidential box characterized by a different F-code and  
10 different identification information, the method comprising the steps of:

requesting a prospective user to input an F-code when the prospective user seeks to use the apparatus to produce a polling document;

15 searching among the plurality of confidential boxes for a confidential box whose characteristic F-code matches the F-code input by the prospective user; and, if a confidential box characterized by the matching F-code is found,

20 enabling the prospective user to produce the polling document only if the prospective user is authenticated by means of the characteristic identification information of the confidential box characterized by the matching F-code.

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